BRUHATH BENGALURU MAHANAGARA PALIKE,DASARAHALLI ZONE

Office of Executive Engineer

SCHEDULE -B

Name Of Work: Additional works of BBMP Multipurpose building at Abbigere in Ward No.12 Shettyhalli Sub Division.

Sl. No	Description of Work	Unit	Qty	Sanctioned Rate	
				In Figures (Rs.)	In Wards (Rs.)
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	270.00	195.00	
2	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	96.00	350.00	
3	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	14.40	6300.0	
4	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	48.60	5250.0	
5	Providing and constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	32.00	5200.0	
6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	128.00	122.0	

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7	Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal machine mixed concrete liad in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	8.78	6800.0	
8	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	96.00	160.0	
9	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	67.01	7650.0	
10	Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Tonne	8.38	75500.0	
11	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	91.56	455.0	
12	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	177.30	310.0	

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	Providing and removing centering, shuttering, strutting propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	15.36	590.0	
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	252.93	685.0	
15	Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges, scaffolding, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	338.99	1180.0	
16	Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	28.80	895.0	
17	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	0.27	127000.0	
18	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	5.88	5780.0	
19	Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 35mm. Thick with bottom and lock rail 180mm wide top rail and styles 100mm wide as per drawings and panels of 18mm thick is exteriors grade melamine impregnated prelaminations particle board colour on one sides including cost of materials, labour, HOM of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	3.49	4210.0	

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20	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	529.20	100.0	
21	Providing and fixing in position anodized alluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for	Sqm	25.20	4445.0	
22	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	348.27	310.0	
23	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	196.30	240.0	
24	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	544.57	32.0	
25	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	309.51	335.0	

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26	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	208.90	3280.0	
27	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	14.40	7120.0	
28	Providing and fixing on wall surface 4.0kg?Sq.cm H.D.P.E. rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	M	48.00	515.0	
29	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	2.00	6540.0	
30	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	2.00	3700.0	
31	Providing and fixing white vitreaus china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	2.00	3650.0	

32	Providing colour glazedzed tiles of all sizes 10mm thick for flooring, treads of steps and landing laid on a bed of 12mm thick , cement mortar 1:3 mix, flush pointing using white cement,with matching colour pigment, including cost of a materials, labour, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	4.80	1380.0	
33	Providing and fixing colour glazed tiles of size 300mmx450mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	42.24	1400.0	
34	Providing and fixing C.I. Nahani trap of approved make conforming to ISI specificatins and constructin of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture and conveyance of materials to work spot) 10cms to 7.5cms, etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	4.00	315.0	
35	Providing and fixing chorinated poly venyl chloride (CPVC) pipes conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 20mm nominal OD Pipes etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	M	50.00	315.0	
36	Providing and fixing in position brass stop cock of approved quality15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	8.00	205.0	
37	providing and fixing in position brass gate valve with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	4.00	510.0	
38	Providing NP/CP waste union conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	6.00	160.0	

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39	Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	544.57	120.0	
40	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	544.57	40.0	
41	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	309.51	105.0	
42	Extra for providing and applying every subsequent coat of water proofing cement paint of approved brand and shade for item No.15-16.1 cost of materials,labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	309.51	35.0	
43	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	21.67	55.0	
44	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the	Sqm	21.67	105.0	
45	Extra over item No.15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt and foreign matter, sand papering including cost of materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the	Sqm	21.67	60.0	
46	Fabricating, providing and erecting in poiston of Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C	Kgs	5000.00	190.00	
47	Hire charges of JCB excavator for dismantling of existing building etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Per Day	16.00	7750.0	
48	Hir charges of Tractor 50 HP for shifting of dismantled materials etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Per Day	40.00	2900.0	

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49	Drilling Equipment (Tractor mounted) concrete barekers etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Per Day	20.00	2250.0	

Signature of Contractor

Executive Engineer
Dasarahalli Division

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